

FORM PTO-1390
(REV 10-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

9138-0032

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

N/A 09/806540

INTERNATIONAL APPLICATION NO.
PCT/US99/23012

INTERNATIONAL FILING DATE
01 October 99

PRIORITY DATE CLAIMED
01 October 98

TITLE OF INVENTION
Magnetic Switching of Charge Separation Lifetimes in Artificial Photosynthetic Reaction Centers

APPLICANT(S) FOR DO/EO/US
Gust, John D., Jr., Moore, Ana L., & Moore, Thomas A.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
4. ☐ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 16 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☒ A change of power of attorney and/or address letter.
16. ☐ Other items or information:

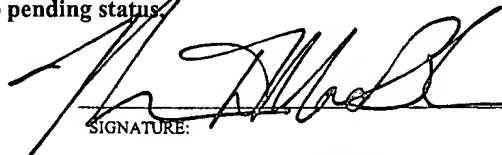
U.S. APPLICATION NO. (if known, see 37 CFR 1.5) N/A		INTERNATIONAL APPLICATION NO. PCT/US99/23012		ATTORNEY'S DOCKET NUMBER 9138-0032	
17. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1000.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY 	
				Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20 =		X \$18.00	\$ 0	
Independent claims	- 3 =		X \$80.00	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$270.00	\$ 0	
TOTAL OF ABOVE CALCULATIONS =				\$ 100.	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 50.	
SUBTOTAL =				\$ 50.	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 50.	
				Amount to be refunded:	\$
				charged:	\$

- a. ☒ A check in the amount of \$ 50.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 070135. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Thomas D. MacBlain
Gallagher & Kennedy
2575 East Camelback Road
Phoenix, AZ 85016



SIGNATURE:

Thomas D. MacBlain

NAME

24,583

REGISTRATION NUMBER

09/806540

Certificate of Mailing by Express Mail

JCOB Rec'd PCT/PTO 30 MAR 2001

I certify that these documents are being deposited on
March 30, 2001 with the U.S. Postal Service "Express
Mail Post Office to Addressee" service under 37 C.F.R. 1.10 and is
addressed to Assistant Commissioner for Patents, Box PCT,
Washington, D.C. 20231.

Bertha Woodward

Signature of Person Mailing Correspondence

Bertha Woodward

Typed or Printed Name of Person Mailing Correspondence

EL624549221US

U.S. Express Mail Label No.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gust et al. Examiner:
International
Application No.: PCT/US99/23012 Art Unit:
International
Filing Date : 01 October 99
Priority Date
Claimed : 01 October 98
For : Magnetic Switching of Charge Separation
Lifetimes in Artificial Photosynthetic
Reaction Centers

Date: March 30, 2001

LETTER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please note that a Power of Attorney accompanies the
attached Combined Declaration executed by all inventors.

Please address all correspondence to:

Thomas D. MacBlain
Gallagher & Kennedy
2575 East Camelback Road
Phoenix AZ 85016

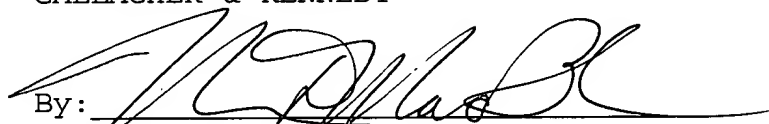
Respectfully submitted,

GALLAGHER & KENNEDY

Date:

3/30/01

By:



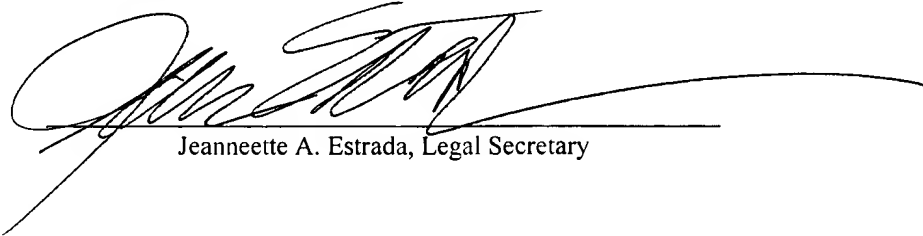
Thomas D. MacBlain
Patent Office Reg. No. 24,583

Attorney for Applicant
602-530-8088

CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. 1.10.

I hereby certify that this document (and any as referred to as being attached or enclosed) is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" service, mailing label No. **EL915426956US** on **August 9, 2001** and addressed to the Assistant Commissioner for Patents, Box PCT, Washington, D.C. 20231.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

A handwritten signature in black ink, appearing to read 'Jeanneette A. Estrada', is written over a horizontal line. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Jeanneette A. Estrada, Legal Secretary